Form PTO-1449 (modified)	Atty. Docket No. MECO214/KAM	Serial No.
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant James A. Baum, Amy Jelen Gilmer, Anne-Marie Light Mettus	
	Filing Date: Concurrently Herewith	Group: 1653

U.S. Patent Documents	Foreign Patent Documents	Other Art
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
KCC	A1	4,448,885	05/15/84	Schnepf *et al.*	435	253	
	A2	4,467,036	08/21/84	Schnepf *et al.*	435	317	
	A3	4,766,203	08/23/88	Krieg *et al.*	530	370	
	A4	4,797,279	01/10/89	Karamata *et al.*	424	93	
	A5	4,910,016	03/20/90	Gaertner *et al.*	424	93	
	A6	5,024,837	06/18/91	Donovan *et al.*	424	93	
	A7	5,126,133	06/30/92	Payne *et al.*	424	93	
	A8	5,188,960	02/23/93	Payne *et al.*	435	252.3	
	A9	5,322,687	06/21/94	Donovan *et al.*	424	93	
	A10	5,441,884	08/15/95	Baum	435	252.31	
	A11	5,500,365	03/19/96	Fischhoff *et al.*	435	240.4	
	A15	5,567,600	10/22/96	Adang *et al.*	536	23.71	
	A14	5,567,862	10/22/96	Adang *et al.*	800	205	
	A13	5,573,766	11/12/96	Blenk *et al.*	424	93.461	
	A12	5,589,382	12/31/96	Payne *et al.*	435	252.5	
	A11	5,659,123	08/19/97	Van Rie *et al.*	800	205	
KCC	A12	6,033,874	03/07/00	Baum *et al.*	435	69.1	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
KCC	B1	WO88/09812	12/15/88	PCT	—		Abstract
KCC	B2	WO91/16433	10/31/91	PCT	—		Yes

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Form PTO-1449 (modified)	Atty. Docket No. MECO214/KAM	Serial No. 09/992 175
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant James A. Baum, Amy Jelen Gilmer, Anne-Marie Light Mettus	
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jcc	B3	WO93/03154	02/18/93	PCT			Yes
	B4	WO95/02058	01/19/95	PCT			Yes
	B5	WO95/06730	03/09/95	PCT			
	B6	0295156B1	12/14/88	Europe			Abstract
	B7	EP 0408403	01/16/91	Europe			
	B8	EP 0405810	01/02/91	Europe			
jcc	B9	EP 0193259	03/09/86	Europe			

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Exam. Init.	Ref. Des.	Citation
jcc	C1	Almond and Dean, "Suppression of Protein Structure Destabilizing Mutations in *Bacillus thuringiensis* Delta Endotoxins by Second Site Mutations," *Biochemistry*, 32:1040-1046, 1993.
	C2	Angsuthanasombat *et al.*, "Effects on Toxicity of Eliminating a Cleavage Site in a Predicted Interhelical Loop in *Bacillus thuringiensis* CryIVB δ-Endotoxin," *FEMS Microbiol. Lett.*, 111:255-262, 1993.
	C3	Aronson *et al.*, "Mutagenesis of Specificity and Toxicity Regions of a *Bacillus thuringiensis* Protoxin Gene," *Journal of Bacteriology*, 177(14):4059-4065, July 1995.
	C4	Baum, "TnpI Recombinase: Identification of Sites within Tn*5401* Required for TnpI Binding and Site-Specific Recombination," *Journal of Bacteriology*, 177(14):4036-4042, July 1995.
	C5	Baum *et al.*, "Novel Cloning Vectors for *Bacillus thuringiensis* ," *Applied and Environmental Microbiology*, 56(11):3420-3428, November 1990.
jcc	C6	Caramori *et al.*, "*In vivo* Generation of Hybrids Between Two *Bacillus thuringiensis* Insect-Toxin-Encoding Genes," *Gene*, 98:37-44, 1991.

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KCC	C7	Chambers *et al.*, "Isolation and Characterization of a Novel Insecticidal Crystal Protein Gene from *Bacillus thuringiensis* subsp. *Aizawai*," *Journal of Bacteriology*, 173(13):3966-3976, July 1991.
	C8	Chen *et al.*, "Site-directed Mutations in a Highly Conserved Region of *Bacillus thuringiensis* Delta-endotoxin Affect Inhibition of Short-circuit Current Across *Bombyx mori* Midguts," *Proc. Natl. Acad. Sci.*, 90:9041-9045, October 1993.
	C9	Chen *et al.*, "Mutations in Domain I of *Bacillus thuringiensis* δ-Endotoxin CrylAb Reduce the Irreversible Binding of Toxin to *Manduca sexta* Brush Border Membrane Vesicles," *J. Biol. Chem.*, 270(11):6412-6419, March 1995.
	C10	De Maagd *et al.*, "Domain III Substitution in *Bacillus thuringiensis* Dekta-Endotoxin CryIA(b) Results in Superior Toxicity for *Spodoptera exigua* and Altered Membrane Protein Recognition," *Applied and Environmental Microbiology*, 62(5):1537-1543, May 1996.
	C11	Donovan *et al.*, "Amiono Acid Sequence and Entomocidal Activity of the P2 Crystal Protein," *J. Biol. Chem.*, 263(1):561-567, January 1988.
	C12	English and Slatin, "Mode of Action of Delta-Endotoxins from *Bacillus thuringiensis*: A Comparison with Other Bacterial Toxins," *Insect Biochem. Molec. Biol.*, 22(1):1-7, 1992.
	C13	Gazit and Shai, "Structural and Functional Characterization of the α5 Segment of *Bacillus thuringiensis* δ-Endotoxin," *Biochemistry*, 32(13):3429-3436, 1993.
	C14	Gazit and Shai, "The Assembly and Organization of the α5 and α7 Helices from the Pore-forming Domain of *Bacillus thuringiensis* δ-Endotoxin," *J. Biol. Chem.*, 270(6):2571-2578, February 1995.
	C15	Ge et al., "Functinal Domains of *Bacillus thuringiensis* Insecticidal Crystal Proteins," *J. Biol. Chem.*, 266(27):17954-17958, September 1991.
	C16	Grochulski *et al.*, "Bacillus thuringiensis CryIA(a) Insecticidal Toxin: Crystal Structure and Channel Formation," *J. Mol. Biol.*, 254:447-464, 1995.
KCC	C17	Hofte and Whiteley, "Insecticidal Crystal Proteins of *Bacillus thuringiensis*," *Microbioligical Review*, 53(2):242-255, June 1989.

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KCC	C18	Hofte *et al.*, "Structural and functional analysis of a cloned delta endotoxin of *Bacillus thuringiensis berliner* 1715," *Eur. J. Biochem.*, 161:273-280, 1986.
	C19	Honée *et al.*, "Nucleotide sequence of crystal isolated from *B.thuringiensis* subspecies *entomocidus* 60.5 coding for a toxin highly active against *Spodoptera* species," *Nucleic Acids Research*, 16(13):6240, 1988.
	C20	Krieg *et al.*, "*Bacillus thuringiensis* var. *Tenebrionis*: ein neuer, gegenüber Larven von Coleopteren wirksamer Pathotyp," *Z. ang. Ent.*, 96:500-508, 1983.
	C21	Kwak *et al.*, "Exploration of Receptor Binding of *Bacillus thuringiensis* Toxins," *Mem Inst. Oswaldo*, 90(1):75-79, January/February 1995.
	C22	Lambert *et al.*, "A *Bacillus thuringiensis* Insecticidal Crystal Protein with a High Activity against Members of the Family Noctuidae," *Applied and Environmental Microbiology*, 62(1):80-86, January 1996.
	C23	Lee *et al.*, "Location of a *Bombyx mori* Receptor Binding Region on a *Bacillus thuringiensis* δ-Endotoxin," *J. Biol. Chem.*, 267(5):3115-3121, February 1992.
	C24	Lee *et al.*, "Domain III Exchanges of *Bacillus thuringiensis* CryIA Toxins Affect Binding to Different Gypsy Moth Midgut Receptors," *Biochemical And Biophysical Research Communications*, 216(1):306-312, November 1995.
	C25	Lu *et al.*, "Identification of Amino Acid Residues of *Bacillus thuringiensis* δ-Endotoxin CryIAa Associated with Membrane Binding and Toxicity to *Bombyx mori*," *J. of Bacteriology*, 176(17):5554-5559, September 1994.
	C26	Mettus and Macaluso, "Expression of *Bacillus thuringiensis* δ-Endotoxin Genes during Vegetative Growth," *Applied and Environmental Microbiology*, 56(4):1128-1134, April 1990.
	C27	Rajamohan *et al.*, "Single Amino Acid Changes in Domain II of *Bacillus thuringiensis* CryIAb δ-Endotoxin Affect Irreversible Binding to *Manduca sexta* Midgut Membrane Vesicles," *J. of Bacteriology*, 177(9):2276-2282, May 1995.
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	C30	Sanchis *et al.*, "Nucleotide sequence and analysis of the *N*-terminal coding region of the *Spodoptera*-active δ-endotoxin gene of *Bacillus thuringiensis aizawai* 7.29," *Molecular Microbiology*, 3(2):229-238, 1989.
	C31	Smedley and Ellar, "Mutagenesis of three surface-exposed loops of a *Bacillus thuringiensis* insecticidal toxin reveals residues important for toxicity, receptor recognition and possibly membrane insertion," *Microbiology*, 142:1617-1624, 1996.
	C32	Smith *et al.*, "Mosquitocidal Activity of the CryIC δ-Endotoxin from *Bacillus thuringiensis* subsp. *aizawai*, "*Applied and Environmental Microbiology*, 62(2):680-684, February 1996.
	C33	Smith and Ellar, "Mutagenesis of two surface-exposed loops of the *Bacillus thuringiensis* CryIC δ-endotoxin affects insecticidal specificity," *Biochem. J.*, 302:611-616, 1994.
	C34	von Tersch *et al.*, "Membrane-Permeabilizing Activities of *Bacillus thuringiensis*, Coleopteran-Active Toxin CryIIIB2 and CryIIIB2 Domain I Peptide," *Applied and Environmental Microbiology*, 60(10):3711-3717, October 1994.
	C35	Wolfersberger *et al.*, "Site-Directed Mutations in the Third Domain of *Bacillus thuringiensis* δ-Endotoxin CryIAa Affect Its Ability to Increase the Permeability of *Bombyx mori* Midgut Brush Border Membrane Vesicles," *Applied and Environmental Microbiology*, 62(1):279-282, January 1996.
	C36	Wu and Aronson, "Localized Mutagenesis Defines Regions of the *Bacillus thuringiensis* δ-Endotoxin Involved in Toxicity and Specificity," *J. of Biol. Chem.*, 267(4):2311-2317, February 1992.
	C37	Wu and Dean, "Functional Significance of Loops in The Receptor Binding Domain of *Bacillus thuringiensis* CryIIIA δ-Endotoxin," *J. Mol. Biol.*, 255:628-640, 1996.
	C38	Dean *et al.*, "Probing the mechanism of action of *Bacillus thuringiensis* insecticidal proteins by site-directed mutagenesis - a minireview," *Gene*, 179:111-117, 1996.
KCC	C39	International Search Report dated April 21, 1998 (PCT/US97/22181)(MECO:206P).

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ICJC	C40	Nakamura *et al.*, "Insecticidal activity and processing in larval gut juices of genetically engineered 130-kDa proteins of *Bacillus thuringiensis* subsp. *aizawai*," *Biosci. Biotech. Biochem.*, 56(1):1-7, 1992.
	C41	Kalman *et al.*, "Cloning of a novel *CryIC*-type gene from a strain of *Bacillus thuringiensis* subsp. *galleriae*," *Applied and Environmental Microbiology*, 59(4):1131-1137, 1993.
	C42	Li *et al.*, "Crystal structure of insecticidal δ-endotoxin from *Bacillus thuringiensis* at 2.5 Å resolution," *Nature*, 353:815-821, 1991.
	C43	Schnepf and Whiteley, "Cloning and expression of the *Bacillus thuringiensis* crystal protein gene in *Escherichia coli*," *Proc. Natl. Acad. Sci. USA*, 78(5):2893-2897, 1981.
	C44	Schnepf *et al.*, "The amino acid sequence of a crystal protein from *Bacillus thruingiensis* deduced from the DNA base sequence," *J. Biol. Chem.*, 260(10):6264-6272, 1985.
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